

**Table 1.** Yield, fruit weight, fruit volume, fruit length and fruit diameter of some pomegranate cultivar under Assuit government conditions in 2006 and 2007 seasons:

Cultivar	Yield/tree (kg)		Fruit weight (g)		Fruit volume (cm <sup>3</sup> )		Fruit length (cm)		Fruit diameter (cm)		Fruit shape index	
	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>
	Season	season	season	season	season	season	season	season	season	season	season	season
Wardy	40.13	40.23	296.97	130.96	125.70	136.70	7.60	6.00	8.37	6.23	1.10	1.04
	C	C	CD	E	D	C	BC	C	BC	C	A	A
Araby	38.10	39.10	256.66	256.65	133.00	133.20	7.30	7.40	7.97	8.00	1.09	1.04
	C	C	DE	CD	C	C	C	B	C	AB	A	A
Manfalouty	55.90	59.67	461.09	461.04	520.00	476.70	9.03	9.10	9.60	9.57	1.06	1.07
	A	A	A	A	A	A	AB	A	A	A	A	A
Hegazy	55.40	56.50	321.33	315.96	135.70	136.70	8.10	8.40	8.57	8.65	1.07	1.04
	A	A	C	B	C	C	AB	AB	BC	A	A	A
Nabel-Gamal	46.17	48.33	399.77	290.55	440.00	300.00	9.50	8.00	9.23	8.40	0.98	1.05
	B	B	B	BC	B	B	A	AB	AB	AB	A	A
Montakhab	41.53	42.83	235.60	235.86	261.70	256.70	7.87	7.70	7.67	7.73	0.98	1.00
	BC	BC	E	D	E	B	BC	B	C	B	A	A

**Table 2.** Fruit dry matter of percentage, TSS, Acidity %, TSS / Acid ratio, total sugar % and reducing sugar % of some pomegranate cultivar under Assuit government conditions in 2006 and 2007 seasons:

Cultivar	Fruit dry matter%		TSS %		Acidity%		TSS/ acid ratio		Total sugars %		Reducing sugars %	
	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	1 <sup>st</sup>	2 <sup>nd</sup>
	season	season	season	season	season	season	season	season	season	season	season	season
Wardy	27.29	36.90	16.33	16.33	0.36	0.44	45.36	37.11	9.91	10.33	4.61	4.99
	B	A	A	AB	C	A	A	A	A	A	A	A
Araby	20.87	34.95	8.00	8.00	0.29	0.31	27.59	25.81	11.06	11.20	4.61	5.80
	D	A	D	D	D	B	C	B	A	A	A	A
Manfalouty	21.37	35.52	15.33	15.33	0.39	0.53	39.31	28.92	9.13	10.05	3.62	4.47
	C	A	AB	ABC	B	A	AB	AB	A	A	AB	A
Hegazy	21.16	38.57	15.00	14.67	0.25	0.32	60.00	45.84	11.86	11.25	3.19	4.46
	C	A	AB	BC	E	B	A	A	A	A	AB	A
Nabel-Gamal	20.49	35.25	14.67	14.33	0.37	0.51	39.65	28.10	11.52	11.18	2.00	4.95
	D	A	B	C	C	A	BC	B	A	A	AB	A
Montakhab	35.75	35.07	15.67	16.67	0.47	0.49	33.34	34.02	1.50	2.11	1.22	1.19
	A	A	AB	A	A	A	C	A	B	B	B	B